IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	NAGEL ET AL.	EXAMINER:	DESIRE
SERIAL NO.:	09/909,202	GROUP:	2625
FILED:	19 JULY 2001	CASE NO.:	CML00010H
TITLED:	TEXT INPUT METHOD FOR PERSONAL DIGITAL ASSISTANTS AND THE LIKE		

Motorola, Inc.
Corporate Offices
1303 E. Algonquin Road
Schaumburg, IL 60196
May 15, 2006

PETITION FOR WITHDRAWAL OF ABANDONMENT

Assistant Commissioner for Patents and Trademarks
Washington DC, 20231
Office of the Assistant Commissioner for Patents

1. The Applicants petition that the abandonment set forth in the notice mailed by the Office on 04/21/2006 be withdrawn.

2. Submitted herewith is:

a) a copy of the front page of the response faxed on August 23, 2004, showing a Certificate of facsimile executed on August 23, 2004.

b) a copy of Motorola's transaction report showing successful transmission of the response faxed August 23, 2004.

c) a copy of the USPTO Auto-Reply Facsimile showing a total of 12 pages received on August 23, 2004.

d) a copy of the complete response previously filed.

e) a verified statement by Dawn Hebein stating that the Amendment as attached hereto was faxed to the United States Patent and Trademark Office on August 23, 2004.

Respectfully Submitted,
NAGEL ET AL.

by:

Kenneth A. Haas
Attorney for Applicant
Reg. No. 42,614
Phone: (847) 576-6937
FAX: (847) 576-3750

I, Dawn Hebein to hereby state that I transmitted the Amendment as attached hereto to the United States Patent and Trademark Office on August 23, 2004 as a facsimile. I do understand that willful false statements and the like are punishable by fine or imprisonment, or both (18 USC 1001) and may jeopardize the validity of the application or any patent issuing thereon. Additionally, all statements made above are based on my own knowledge and are true, and all statements that are made on information and belief are believed to be true.

Dawn Hebein

Auto-Reply Facsimile Transmission

TO: Fax Sender at 18475763750

Fax Information
Date Received: 8/23/2004 11:11:12 AM [Eastern Daylight Time]
Total Pages: 12 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

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Aug-23-04 10:06am From-MOTOROLA   18475763750   T-492 P.001 F-299

(M) *MOTOROLA*
FAX TRANSMITTAL SHEET

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Intellectual Property Section
Law Department
1303 E. Algonquin Road
Schaumburg, IL 60196

Telephone: (847) 576-6937
Facsimile: (847) 576-3750

[12] Number of Pages (including this page)

Date: August 23, 2004

To: Desire, Gregory M. 2625

Location: United States Patent and Trademark Office

Fax No.:   703 872 9306

From: Kenneth A. Haas – 42,614

Subject: 09/909,202 Nagel et al. CML00010H

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MESSAGE:

Enclosed herewith, please find an Amendment for filing in the below-identified application.

PLEASE GIVE THESE PAPERS TO:

EXAMINER: Desire, Gregory M.
GROUP ART UNIT: 2625
SERIAL NO.:   09/909,202
FILED: 07/19/2001
INVENTOR: Nagel et al

PAGE 1/12 * RCVD AT 8/23/2004 11:11:12 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/1 * DNIS:8729306 * CSID:18475763750 * DURATION (mm-ss):03-06

Confirmation Report - Memory Send

Page : 001
Date & Time: Aug-23-04 10:09am
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(M) **MOTOROLA**

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EXAMINER:	**Desire, Gregory M.**
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SERIAL NO.:	09/909,202
FILED:	07/19/2001
INVENTOR:	Nagel et al

Amendment

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	NAGEL ET AL.	EXAMINER:	DESIRE
SERIAL NO.:	09/909,202	GROUP:	2625
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TITLED:	TEXT INPUT METHOD FOR PERSONAL DIGITAL ASSISTANTS AND THE LIKE		

Motorola, Inc.
Corporate Offices
1303 E. Algonquin Road
Schaumburg, IL 60196
August 20, 2004

Amendment

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being
facsimile transmitted to the United States
Patent and Trademark Office.

on _____August 23, 2004_____

_____Motorola, Inc._____   8/23/04

Name of applicant, assignee, or   Date
Registered Representative

_____[signature]_____
Signature

MS Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

        In response to the Office Action dated 08/12/2004 as entered in the above-captioned matter, the Applicants hereby respectfully submit the following response:

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In the Specification

On page 1, line 5 of the Specification, please delete "_____" and input – 901,878- in its place. The paragraph should read as follows:

The present application is related to U.S. Patent Application No. 09/901,878 (Attorney Docket No. LX00071) entitled "Handwriting User Interface for Personal Digital Assistants and the Like" to Seni et al., assigned to the assignee of the present invention and filed **(either coincident or prior)**.

On page 4, line 16 of the Specification, please delete "_____" and input – 901,878- in its place. The paragraph should read as follows:

U.S. Patent Application No. 09/901,878 (Attorney Docket No. LX00071 entitled "Handwriting User Interface for Personal Digital Assistants and the Like" to Seni et al., assigned to the assignee of the present invention, filed **(either coincident or prior)** and incorporated herein by reference, discloses a handwriting recognition user interface (HUI) which may be combined with the present invention for receiving text based handwritten entry. Handwritten entries are made at a designated input area on the touch screen, e.g., dimensions 0.30*H by W, where H and W are the height and width at the bottom of the device screen. Handwritten words are entered into the designated input area one at a time using a stylus. Recognition results are displayed in the normal display area of the screen above the designated input area.

In the Claims

1. (Currently Amended) A handwriting recognition user interface (HUI) for entering handwritten text and handwritten individual characters on a portable device having a touch-enabled input screen, said HUI comprising:

a text input area residing in a predetermined portion of a touch-enabled input screen;

a word entry area in said text input area adapted to receive handwritten words;

a character entry area separated from the word entry area in said text entry area adapted to receive handwritten characters; and

a recognition engine configured to recognize handwritten words written in the text input area and handwritten individual characters written in the word entry area.

2. (original)   A HUI as in claim 1 including memory storing one or more dictionaries, said recognition engine matching each handwritten word against words in said one or more dictionaries and providing a probability score indicative of the likelihood that each given word is a correct interpretation of the handwritten input word.

3. (original)   A HUI as in claim 1 further comprising:

a pop-up word list displaying words identified by said recognition engine as being likely matches for a handwritten word entry; and

a pop-up character list displaying characters identified by said recognition engine as being likely matches for a character entry.

4. (original)   A HUI as in claim 3 further comprising one or more action icons on a side of said touch-enabled screen.

5. (original)   A HUI as in claim 4 wherein selecting one of said icons selects an editing operation selected from the group consisting of: inserting a space, backspacing, deleting, capitalizing recognition result, and undoing insertion of a last word recognition result.

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6. (original)   A HUI as in claim 5 wherein a stylus entry outside of said text input area selects one or more characters of a previously entered word, whereby characters are entered into said character entry area, entered said characters replacing said selected one or more characters.

7. (original)   A personal digital assistant (PDA) capable handwritten text entry, said PDA comprising:

a touch-enabled input screen;

a recognition engine capable of recognizing handwritten words and characters;

one or more dictionaries containing a plurality of words;

a communication port for communicating with a remotely connected computer, data being selectively transferred between said remotely connected computer and said PDA;

a local storage storing applications to be run on said PDA, said main dictionary and application data;

a plurality of switches providing manual input to said PDA; and

a handwriting recognition user interface (HUI) comprising:

a text input area residing in a lower portion of said touch-enabled input screen, said text entry area including a word entry area and a character entry area, handwritten words being entered into said word entry area a single word at a time, recognition results being displayed on said touch enabled screen outside of said text input area, entries made in said word entry area being handwritten word entries and entries beginning in said character entry area being characters,

a pop-up word list listing words identified by said recognition engine as likely matches to a handwritten word,

a pop-up character list listing characters identified by said recognition engine as likely matches to a character entry, and

one or more action icons displayed together on a side of said touch-enabled screen and providing access to editing functions for editing previously recognized displayed words.

8. (original)   A PDA as in claim 7, wherein said text input area occupies at least one third of said touch-enabled screen and spans said touch-enabled screen's width.

9. (original)   A PDA as in claim 8 wherein said communications port is a wireless communications port, e-mail messages being communicated over said wireless

communications port responsive to an e-mail address entered a character at a time in said character entry area.

10. (original)   A PDA as in claim 8 wherein said applications stored in said local storage includes a browser application uniform resource locators (URLs) being selectively provided to said browser one character at a time from said character entry area.

11. (original)   A PDA as in claim 8 wherein selecting one of said button icons selects an editing operation selected from the group consisting of: inserting a space, backspacing, deleting, capitalizing recognition result, and undoing automatic insertion of a last recognition result.

12. (original)   A PDA as in claim 11 wherein a stylus entry at a previously entered displayed word is recognized as selecting one or more characters of said previously entered displayed word, whereby characters are entered into said character entry area, entered said characters replacing said selected one or more characters.

13. (Currently Amended) A method for providing textual information to a computer, said method comprising the steps of:

a) receiving a[n] handwritten textual entry from a text input screen area;

b) determining whether said received handwritten textual entry was made in a word entry area or in a character entry area on the screen input area; and

c) passing handwritten textual entries made in the word entry area to a handwriting recognition engine to be treated as handwritten words, and passing handwritten textual entries made in the character entry area to the handwriting recognition engine to be treated as characters.

[c) passing said received handwritten textual entry to a handwriting recognition engine, handwritten entries determined to have been made in said word entry area being recognized as handwritten words and handwritten entries determined to have been made in said character entry area being recognized as characters entries, said handwriting recognition engine identifying matching words for handwritten word entries and matching characters for handwritten character entries.]

14. (original) A method as in claim 13 further comprising:

d) receiving a probability score from said recognition engine, said probability score indicating a likelihood that a corresponding stored entry matches said received entry, said stored entry being a dictionary entry for a handwritten word entry and a character for a character entry; and

e) displaying a list of one or more stored entries in descending order according to said probability score.

15. (original) A method as in claim 13 further comprising repeating steps a-e for a plurality of character entries, said plurality of character entries being concatenated to form a character string.

16. (original) A method as in claim 15 wherein said character string is a uniform resource locator (URL).

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17. (original)   A method as in claim 15 wherein said character string is an e-mail address.

18. (original)   A method as in claim 15 wherein said character string is stored in one of said one or more dictionaries for subsequent word recognition.

Claims 19-22 have been cancelled.

Claims 1-7, 13-15, and 18 were rejected under 35 USC 102(e) as being anticipated by Dutta et al. Claim 16 was rejected under 103(a) as being unpatentable over Dutta in view of Imoto.

Claims 1-7, 13-15, and 18 were rejected under 35 USC 102(e) as being anticipated by Dutta et al. In response, these claims were amended to better recite what the Applicants regard as their invention. In particular, independent claims 1 and 13 were amended to include the limitations that a textual input are comprises both a word entry area and a character entry area, both adapted to receive handwritten entries.

As discussed in the Background of the Invention, a user may input both handwritten text (e.g., words) or handwritten characters (e.g., email addresses). Natural handwriting recognition (HWR) programs have been developed to recognize handwritten words. Users, however, often need to write otherwise non-sensical words (e.g. an e-mail address) that are outside of a typical system dictionary. For these situations the dictionary is useless and under some circumstances using a dictionary may actually impede correct recognition.

In order to address this issue, the inventors provide for two separate areas for handwritten input. The first area is utilized for handwritten text, such as words, while the second area is utilized for handwritten characters (i.e., non-sensical words). When handwritten text is input into the word-entry area, it is treated as handwritten words, and when handwritten text is input into the character entry area, it is treated as handwritten characters.

Regarding claim 1, this claim has been amended to include the limitations that:

- a word entry area in said text input area adapted to receive handwritten words;

- a character entry area separated from the word entry area in said text entry area adapted to receive handwritten characters

Analysis of the prior art reveals that none of the art cited by the Examiner teaches or otherwise suggests the use of two separate handwritten input areas adapted as claimed

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by the Applicants. More particularly, the touch screen keyboard area of Dutta fails to teach or otherwise suggest a character-entry area adapted to receive <u>handwritten</u> characters.

In a similar manner, claim 13 was amended to include the step of:

* passing handwritten textual entries made in the word entry area to a handwriting recognition engine to be treated as handwritten words, and passing handwritten textual entries made in the character entry area to the handwriting recognition engine to be treated as characters.

Analysis of the prior art reveals that no prior art teaches or otherwise suggest the recognition of handwritten text as words or characters based on where the input was made. Because of this claims 1 and 13 are allowable over the prior art of record.

Regarding all other claims, since these claims depend from allowable base claims (i..e, claims 1 and 13) all other claims are allowable over the prior art of record.

No amendment made was related to the statutory requirements of patentability unless expressly stated herein; and no amendment made was for the purpose of narrowing the scope of any claim, unless Applicant has argued herein that such amendment was made to distinguish over a particular reference or combination of references. As the Applicant has overcome all substantive rejections given by the Examiner the Applicant contends that this Amendment, with the above discussion, overcomes the Examiner's rejections to the pending claims. Therefore, the Applicant respectfully requests allowance of the application. If the Examiner is of the opinion that any issues regarding the status of the claims remain after this response, the Examiner is invited to contact the undersigned representative to expedite resolution of the matter. Finally, please charge any fees (including extension of time fees) or credit overpayment to Deposit Account No. 502117.

Respectfully Submitted,
Nagel, ET AL.

by:_____

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